

# Material Safety Data Sheet

Identity: PDM-227

PDM-227

Page 1

## Section I - Manufacturer's Information

PDM WATER TREATMENT CO.  
52 PARROT PLACE  
BROOKLYN, NEW YORK 11228

Emergency Phone Number: (800) 255-3924  
Information Phone Number: (718) 748-4293  
Updated: 09/06/1995

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS Number	OSHA PEL	ACGIH TLV	%
HYDROXYETHANEDIPHOSPHONIC ACID	2809-21-4	0.00	0.00	Minor Comp
POTASSIUM HYDROXIDE	1310-58-3	2.00	2.00	Minor Comp
TetraSodium EDTA	64-02-8	0.00	0.00	Minor Comp

## Section IIa - Regulatory Information

DOT Proper Shipping Name:

CLEANING COMPOUND LIQUID  
(NON-HAZARDOUS)

DOT Class: NA

DOT Number: NA

RCLA Status:

NA

CERLA Status:

NA

SARA/Title III - CERLA List:

NA

Material Name	CAS Number	%	Reportable Quantity
POTASSIUM HYDROXIDE	1310-58-3	Minor Comp	1000 pounds

SARA/Title III - Toxic Chemical List:

NA

Material Name	CAS Number	%	Reportable Quantity
---------------	------------	---	---------------------

TSCA Inventory Status: All components listed on TSCA Inventory.

## Section III - Physical/Chemical Characteristics

Boiling Point: > 212.0 F Specific Gravity (H2O=1): 1.1500 to 1.2500  
Vapor Pressure (mm Hg): NA Melting Point: NA  
Vapor Density (air=1): NA Evaporation Rate (water=1): < 1.00  
Solubility in Water: pH: 10.50 to 11.00  
Complete  
Appearance and Odor:  
Clear Liquid

## Section IV - Fire and Explosion Hazard Data

449272



Flash Point: NA Flammable Limits LEL: NA UEL: NA  
Method Used: NA

Extinguishing Media:

This product is not combustible. Use extinguishing media suitable for surrounding materials.

Special Fire Fighting Procedures:

This product requires no known special procedures during a fire. Fire fighters should be protected from direct physical contact with the product, since the exact nature and amounts of possible contaminants during a fire will be unknown.

Unusual Fire and Explosion Hazards:

AS ABOVE

Section V - Reactivity Data

Stability: Stable

Conditions to Avoid:

NA

Incompatibility (Materials to Avoid):

Strong Acids

Hazardous Decomposition or Byproducts:

Unknown

Hazardous Polymerization: May Not Occur

Conditions to Avoid:

NA

Section VI - Health Hazard DataRoute(s) of Entry:

Inhalation? Strong

Skin? Strong

Ingestion? Strong

Health Hazards (Acute and Chronic):

Acute and chronic health hazards are difficult to accurately assess for mixtures. In general see the first aid section for acute effects and long term effects would have to be derived from these immediate results. Specific chronic effects can be studied from the individual hazardous chemicals as indicated under Section II as the best guess without extensive laboratory studies.

Carcinogenicity:

NTP? None known IARC Monographs? None known OSHA Regulated? None known

Signs and Symptoms of Exposure:

Can cause strong skin irritation, severe eye and mucous membrane irritant.

Medical Conditions Generally Aggravated by Exposure:

A knowledge of the available toxicology information and of the physical properties of the material suggests that exposure is unlikely to aggravate existing medical conditions. However, due to the widely varying uses and personal exposures possible, an individual will have to evaluate his/her particular situation.

Emergency and First Aid Procedures:

EYES: Immediately flush eyes with water for at least 15 minutes. Seek medical attention as soon as possible.

FAST RESPONSE DURING THE FIRST MINUTE after contact is critical

for prevention of possibly permanent damage.

SKIN: Wash with soap and water, apply lotion if irritation continues.

INHALATION: Remove to fresh air, give oxygen if needed, or artificial respiration to maintain breathing. Get a doctor if indicated.

INGESTION: Wash mouth and other contacted parts with water. Never give anything to an unconscious person. If conscious DO NOT induce vomiting. Give one or two glasses of water, or milk of magnesia or milk.  
CALL A DOCTOR.

**DO NOT INDUCE VOMITING IF:**

- Victim is in convulsions
- Victim has symptoms of severe pain, burning sensation in the mouth or throat, or is already vomiting, or
- is known to have swallowed any petroleum product (solvents), or any acids or alkalis(caustics).

**Section VII - Precautions for Safe Handling and Use**

**Steps to Be Taken in Case Material is Released or Spilled:**

Absorb small spills with suitable material ( sand, clays, sawdust, earth ) and place into leak-proof container for later disposal. Flush balance of area with water to remove residues. Dispose of all material in accordance with Federal, State, and Local laws.

**Waste Disposal Method:**

Since Federal, State, and local laws vary greatly from situation to situation, and since these materials are mixtures, no one preferred waste disposal method can be given. However one must keep in mind that all of these type products are ultimately destined to go " down the drain " since they are cleaning compounds of one sort or another. Generally, in a highly diluted or completely neutralized state they present no particular environmental hazard, they can be treated as ordinary waste, which is piped to a sanitary sewer for proper waste treatment.

Neither the product nor its effluent should be discharged into any river, lake, stream, creek, or watershed that might contaminate drinking water or well water. Any discharge must be specifically permitted by the proper authority like the DEP or DER depending on your state laws.

**Precautions to Be Taken in Handling and Storing:**

Do not freeze product. Do not subject product to excessive heat. Keep out of the reach of children. Do not contaminate food stuffs. Do not mix with any other chemicals except under direct supervision of a chemist, or technically trained supervisor. Mix only with water. During storage and transport of the product keep dry at all times, and do not exceed container integrity (i.e. improperly double or triple decking of pallitized goods ).

If sensitivity or aggravation of allergy, or unanticipated personal health problems become evident, stop use and see your supervisor. Keep in mind that often the use solution and the concentrate will have different safety precautions.

**Other Precautions:**

Laundry contaminated clothing before re-use. Discard all contaminated gloves, boots, and other articles that can not be properly cleaned.

**Section VIII - Control Measures**

Respiratory Protection (Specific Type):

Usually none needed.

Ventilation:

Local Exhaust:

Recommended

Special: NA

Mechanical (General): Usually sufficient.

Other: NA

Protective Gloves:

Heavy duty pvc, rubber or similar type is recommended for repeated contact with use solution, or any direct contact with concentrate.

Eye Protection:

Safety glasses or chemical splash goggles are always recommended, as are eyewash fountains in all industrial processing areas.

Other Protective Clothing or Equipment:

Wear long sleeve shirts and pants. Launder dirty uniforms regularly. Wash or shower daily to maintain good cleanliness when in contact with various cleaning or water treating chemicals.

Work/Hygienic Practices:Non-slip safety shoes with a splash apron are good practices to follow.  
---Start Clean---Stay Clean---End Clean = Work Safely.

## Section IX - Documentary Information

Comments:

Section II Hazardous Material Section Percentage Key. If no hazardous chemicals are present then this section is not applicable.

Nil	->	0.0%	to	0.1%
Trace	->	0.1%	to	1.0%
Some	->	1.0%	to	5.0%
Minor Comp	->	5.0%	to	25.0%
Substantial	->	25.0%	to	50.0%
Major Comp	->	50.0%	to	100.0%

Substances listed in Section II are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication Std.

If Section II does not contain any hazardous chemicals as presently defined in our applicable tables the message ....

\*\*\*\*\* NO HAZARDOUS CHEMICALS\*\*\*\*\*

.... will appear in this section above.

NOTE: For solid products, pH is taken of a 2% solution.

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of seller's knowledge or has been generated to the best of our ability without extensive research beyond our understanding or economical feasibility. Seller makes no warranty whatsoever, expressed, implied, or of merchantability of the product or of results obtained from this report.

If you determine that the data does not meet your needs or that questions remain, consult your supplier before you purchase, store, transport or use this product.

Consult a technically trained service-person or salesman for use of this product as it specifically pertains to your situation. Seller assumes no responsibility for injury to buyer or to third persons or for any damage to any property and buyer assumes all such risks.